Stage L3 *Brugia malayi* Infective Larvae (Live)

**Catalog No. NR-48890**

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**Contributor:**
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**Manufacturer:**
Filaria Research Reagent Resource Center supported by Contract HHSN272201000030I, NIH-NIAID Animal Models of Infectious Disease Program

**Product Description:**
Classification: *Onchocercidae, Brugia*
Species: *Brugia malayi*
Strain: FR3
Original Source: *Brugia malayi* (B. malayi), strain FR3 was originally obtained from researchers in Malaysia by Dr. John Schacher.¹²

*B. malayi* is a roundworm nematode and one of the three causative agents of lymphatic filariasis in humans.³ Lymphatic filariasis, also known as elephantiasis, is a condition characterized by swelling of the lower limbs.

*B. malayi* is mosquito-borne filarial worm. Mosquitos deposit infective third stage larvae (L3) on human skin. The larvae then penetrate and migrate to the lymphatic vessels where they develop into adult worms over several months. Development includes molting transitions into fourth stage larvae (L4) and juvenile adults to reach maturation. The mature female worms release large numbers of microfilariae into the host bloodstream. The microfilariae are ingested by a mosquito during a blood meal and penetrate the midgut and develop over a period of 10 to 14 days to L3. L3 are developmentally arrested in the mosquito. The process repeats when the mosquito’s proboscis penetrates human skin.⁴

**Material Provided:**
NR-48890 consists of up to 300 stage L3 *B. malayi* larvae. If more material is required for your intended use, please contact BEI Customer Services at contact@beiresources.org, to request the additional material.

**Packaging/Storage:**
NR-48890 was packaged in 50 mL conical tubes. The product is provided at room temperature and should be placed in an incubator, used immediately, or frozen and stored at -20°C or colder. **Note:** Freezing will kill the larvae, please consider your application prior to freezing this material.

**Citation:**
Acknowledgment for publications should read “The following reagent was provided by the NIH/NIAID Filaria Research Reagent Resource Center for distribution by BEI Resources, NIAID, NIH: Stage L3 *Brugia malayi* Infective Larvae (Live), NR-48890.”

**Biosafety Level:** 2


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References:

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